

Fig.1 (a)

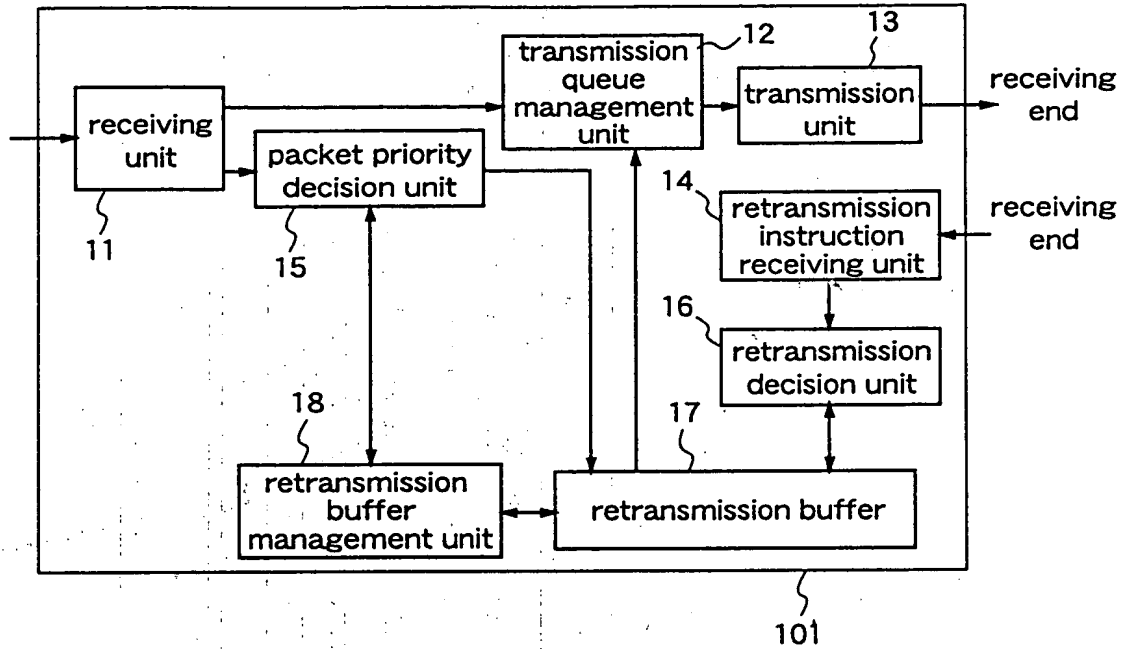


Fig.1 (b)

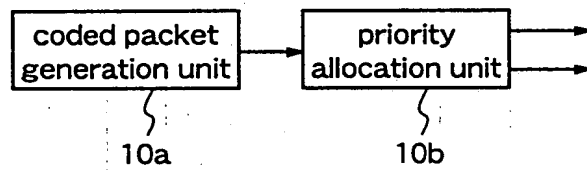


Fig.2

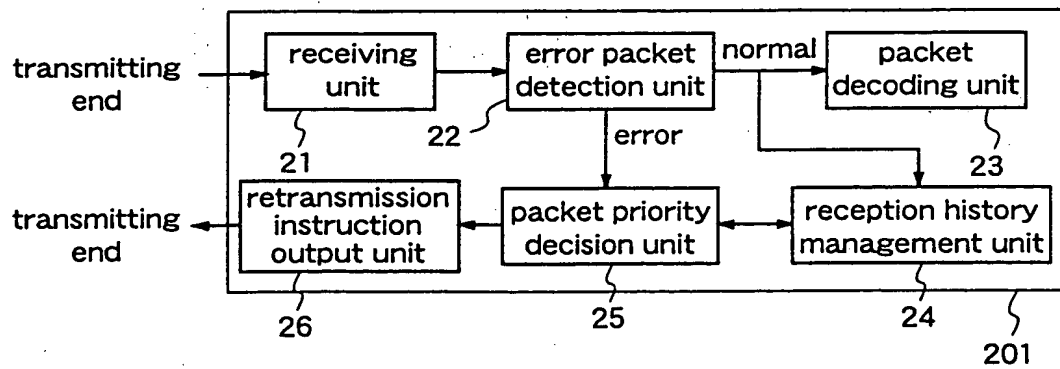


Fig.3

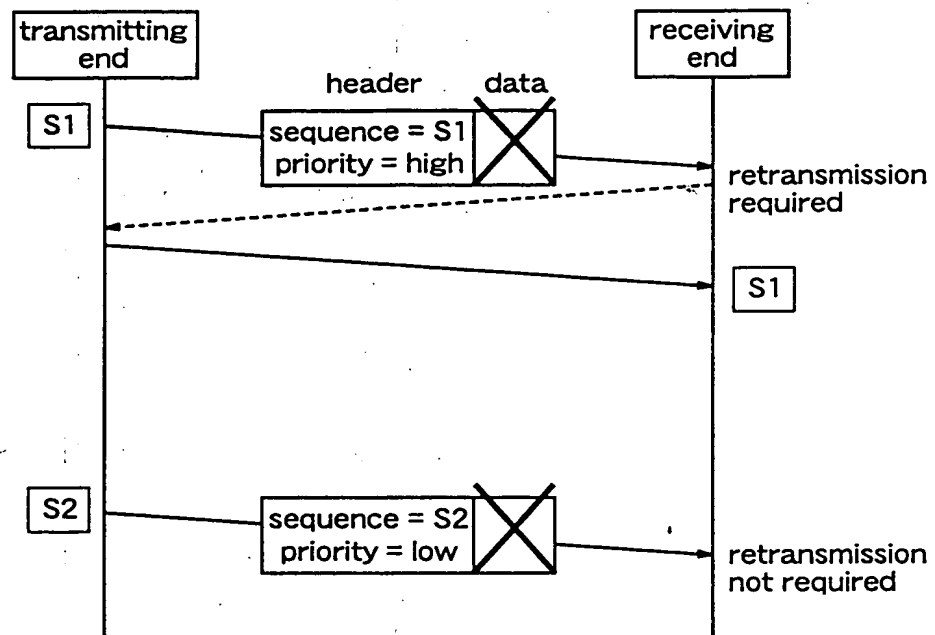


Fig.4

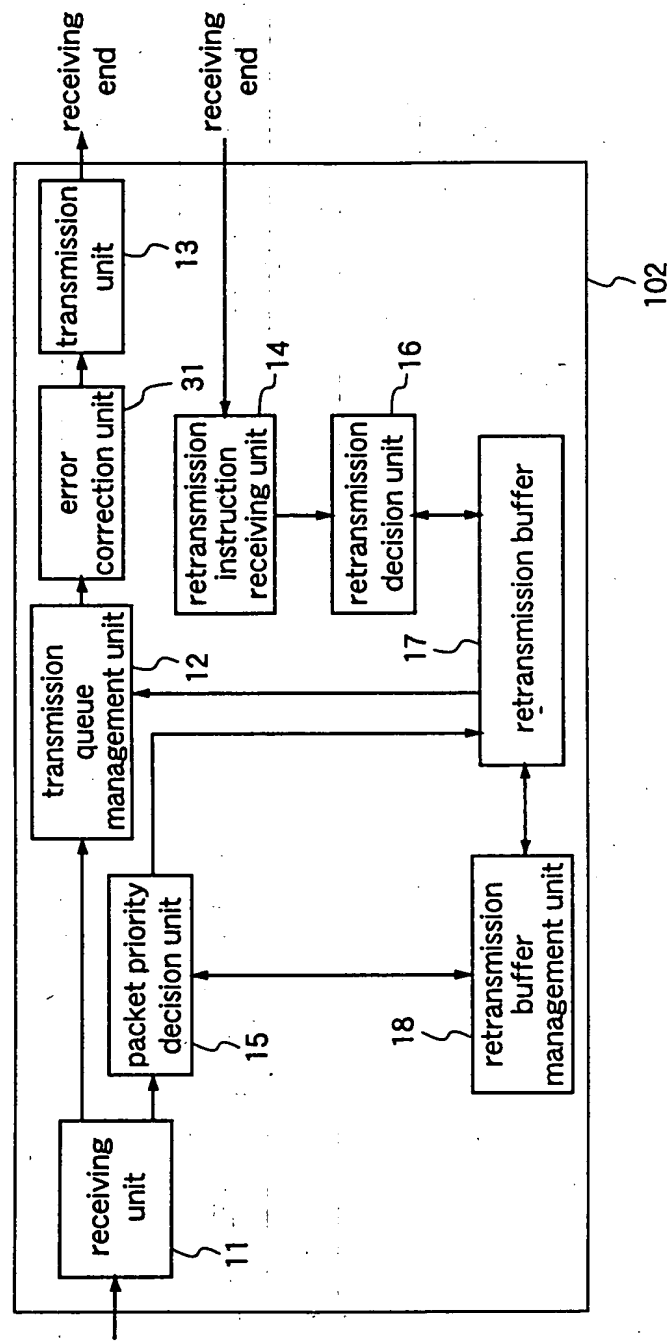


Fig.5

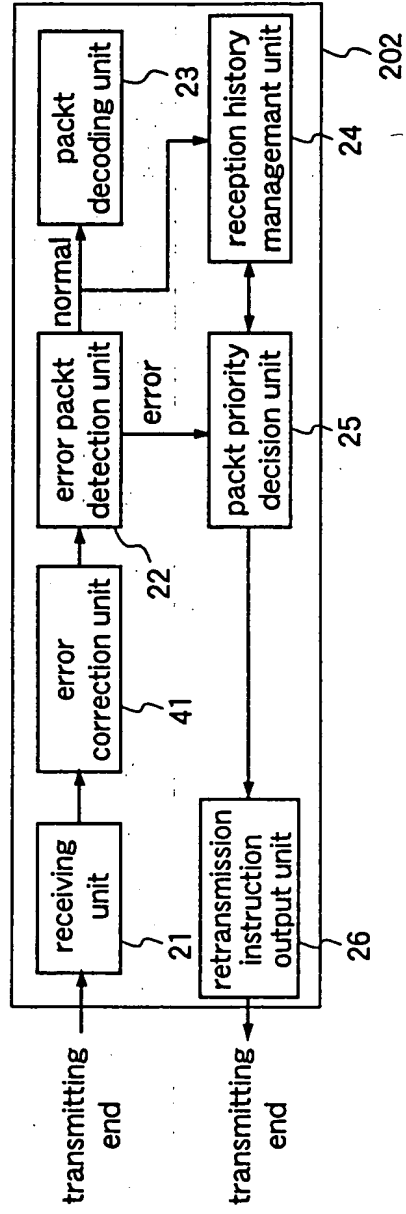


Fig.6

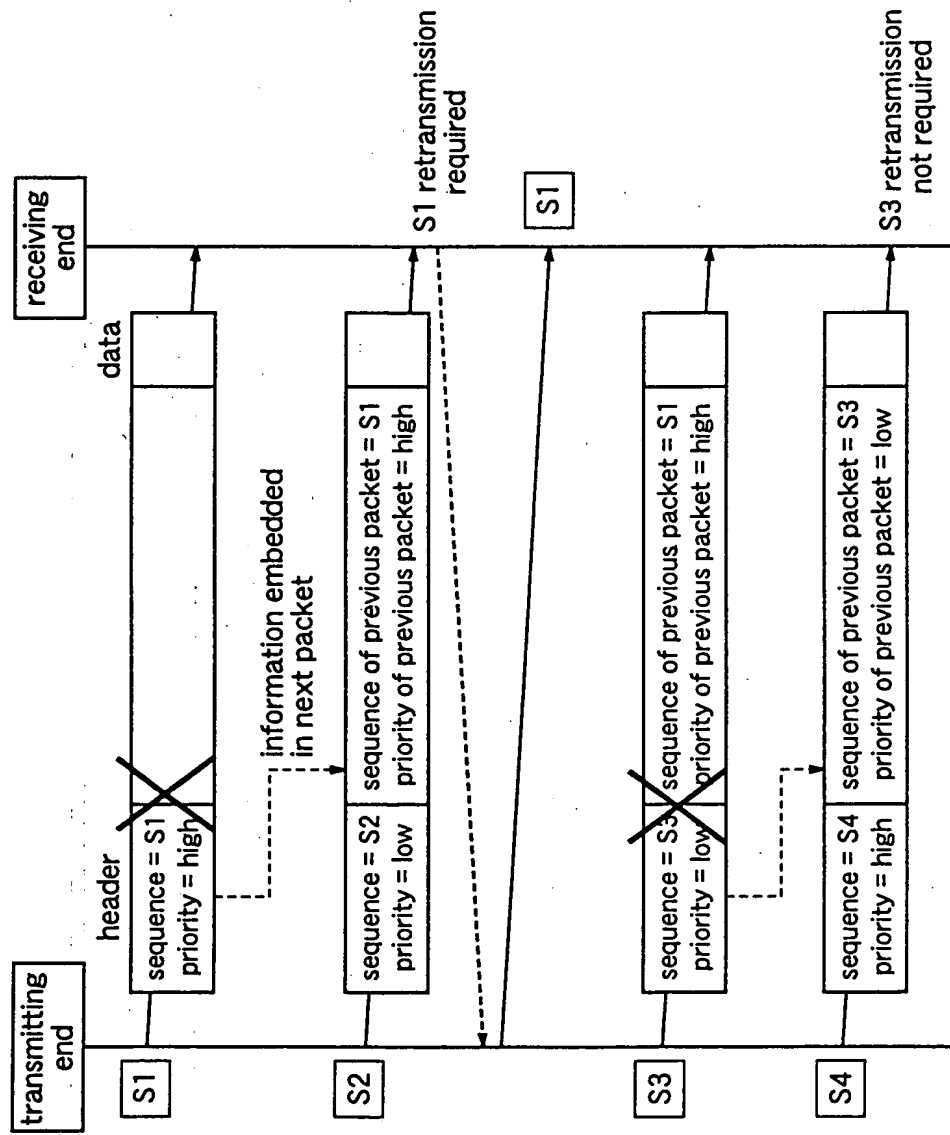


Fig.7

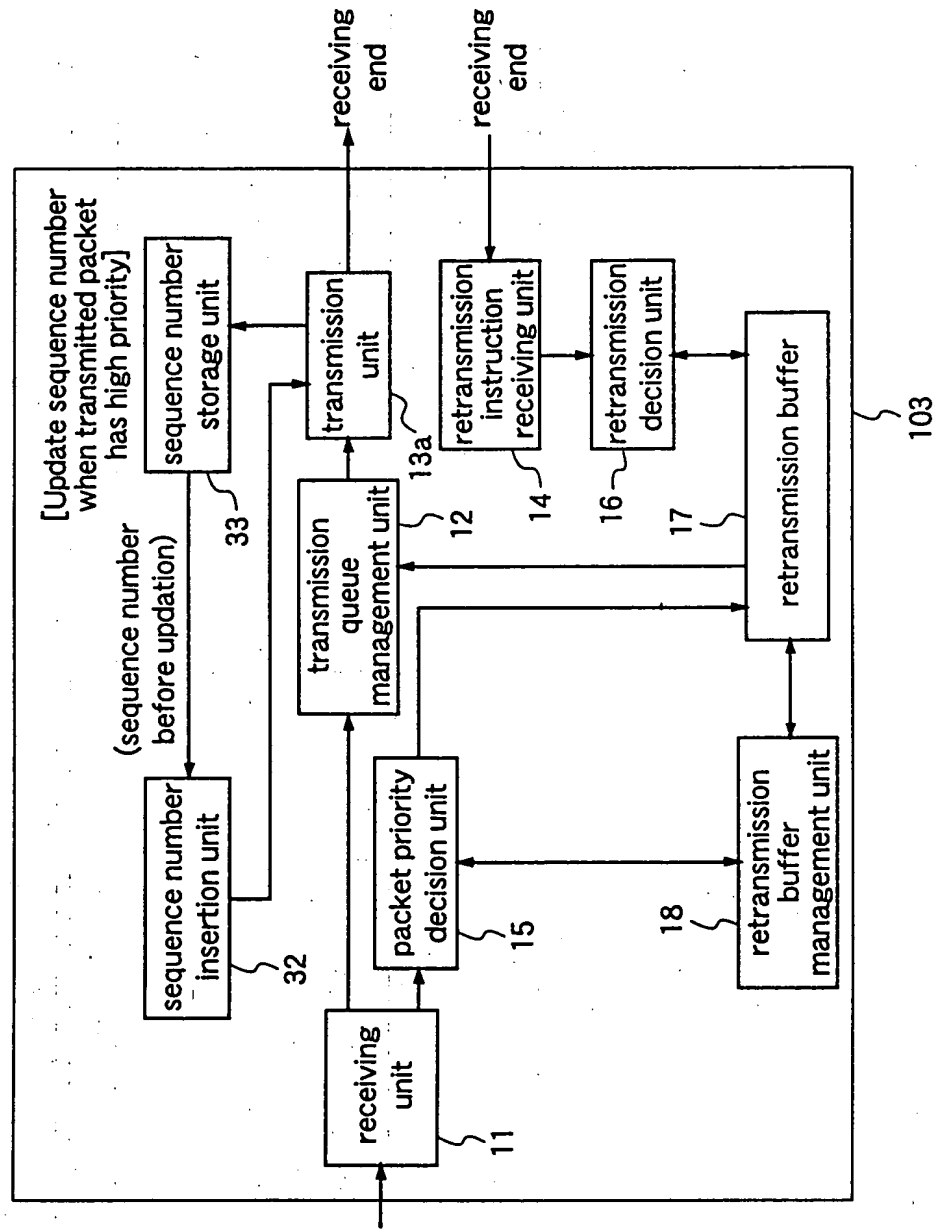
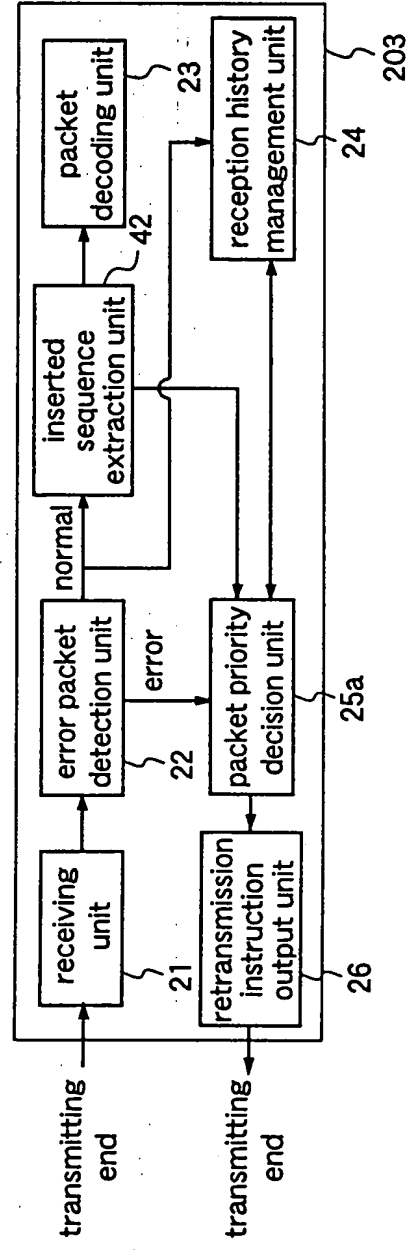


Fig.8



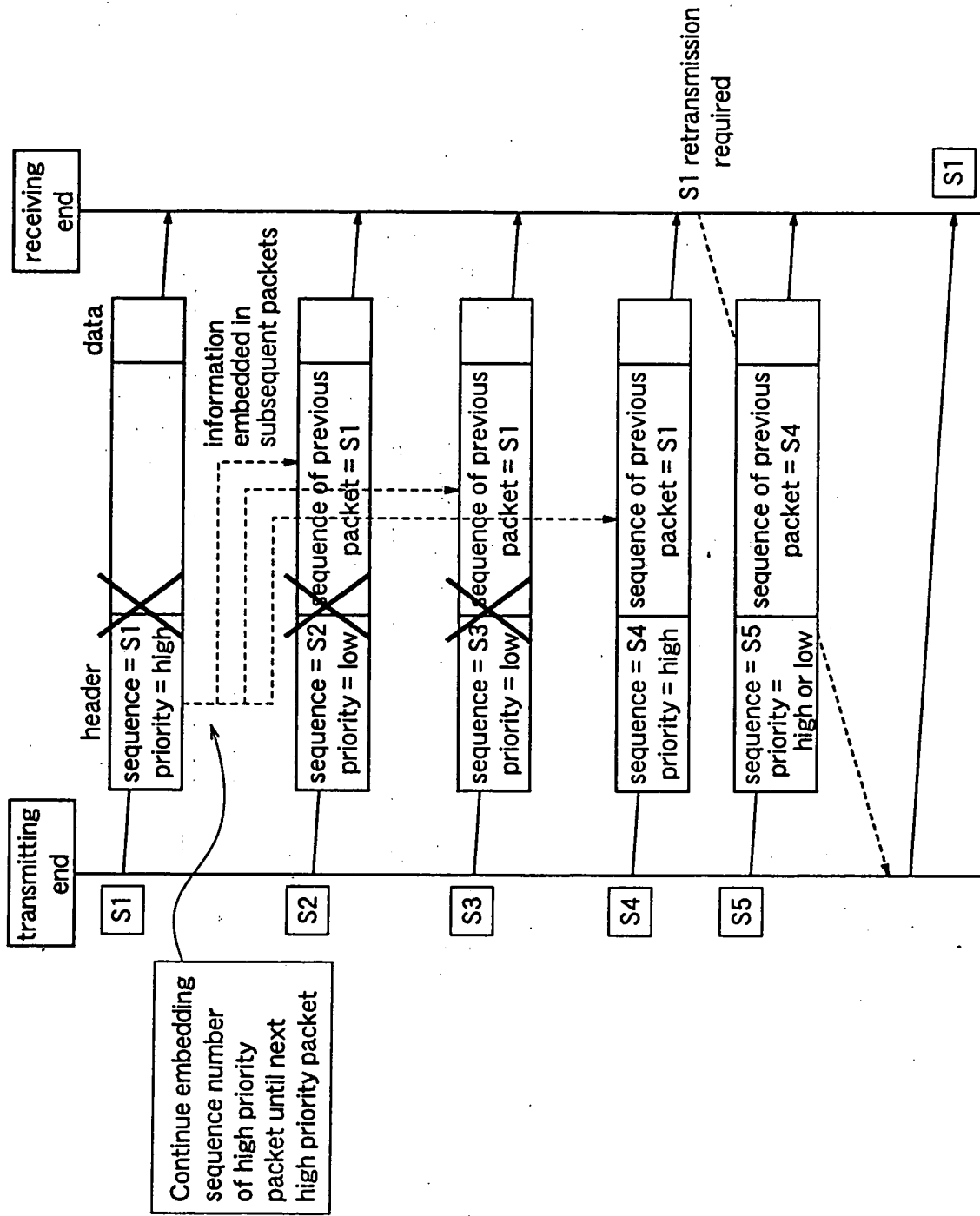


Fig.9

Fig.10

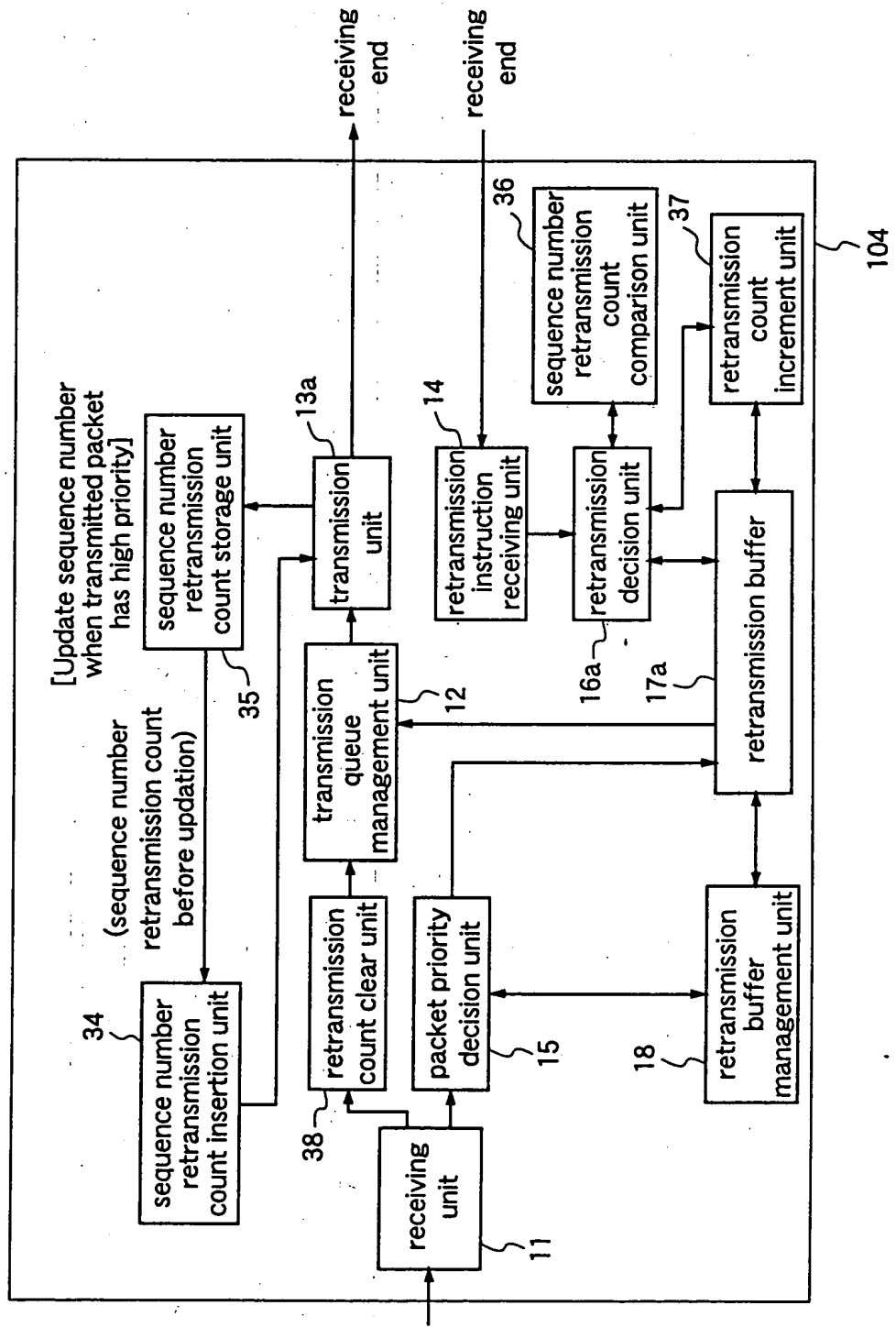


Fig.11

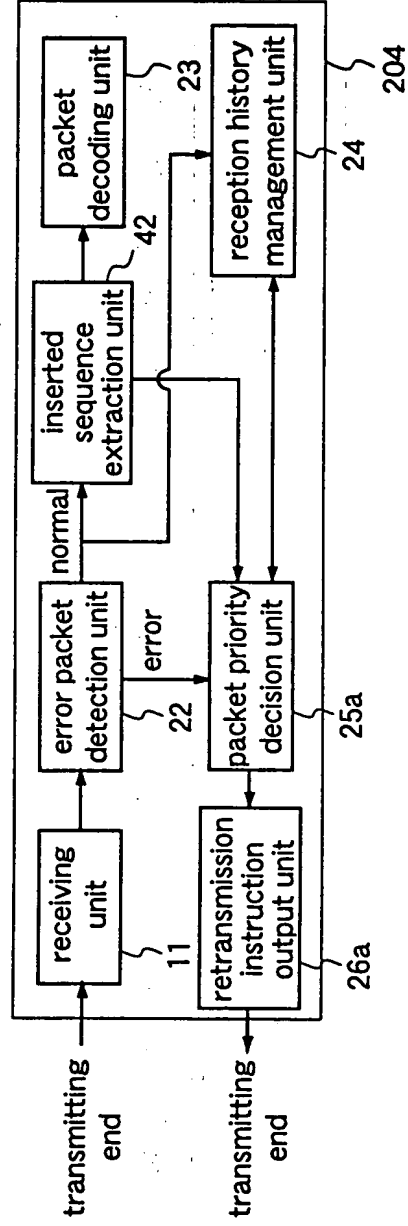


Fig.12

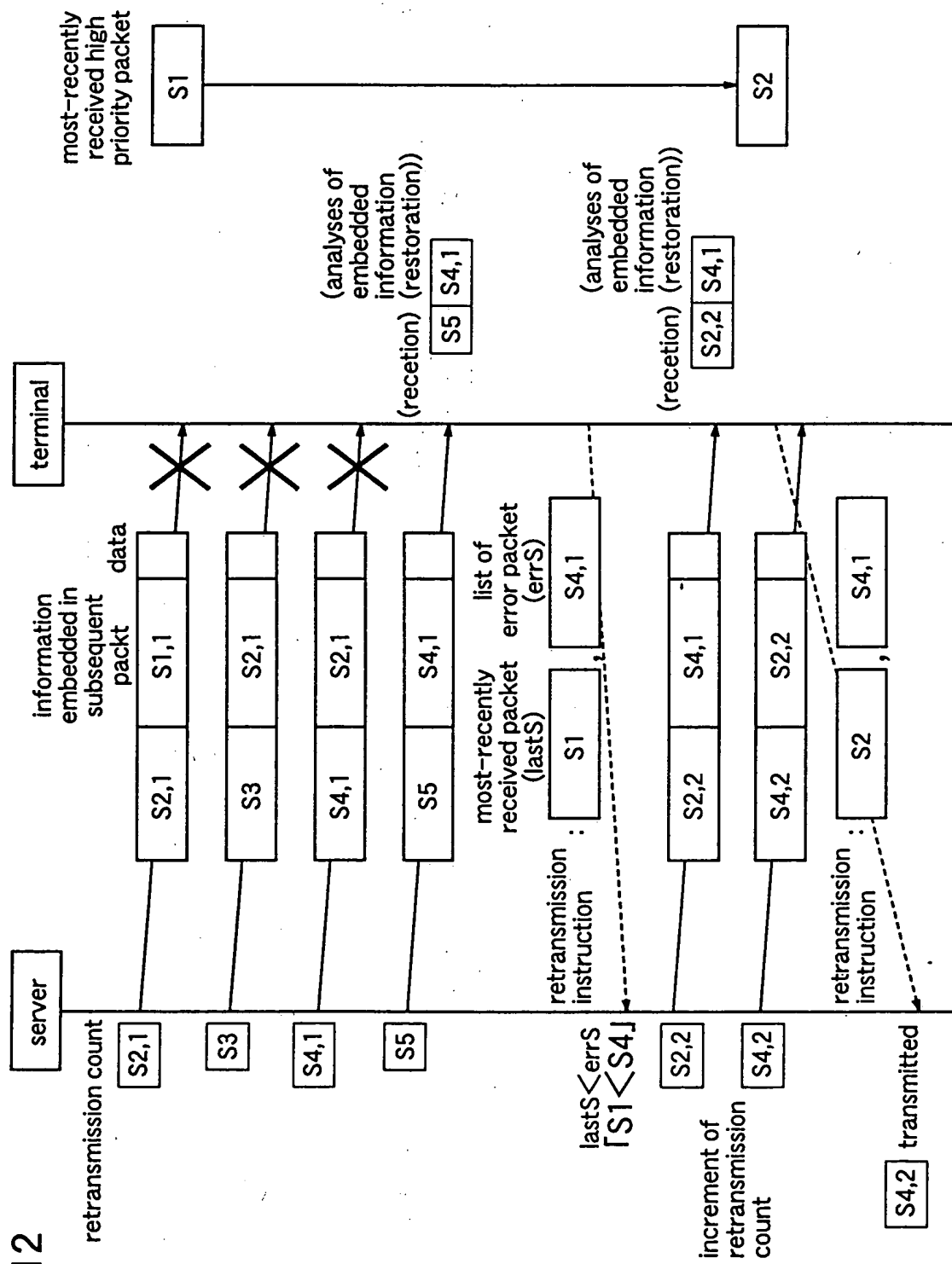


Fig.13

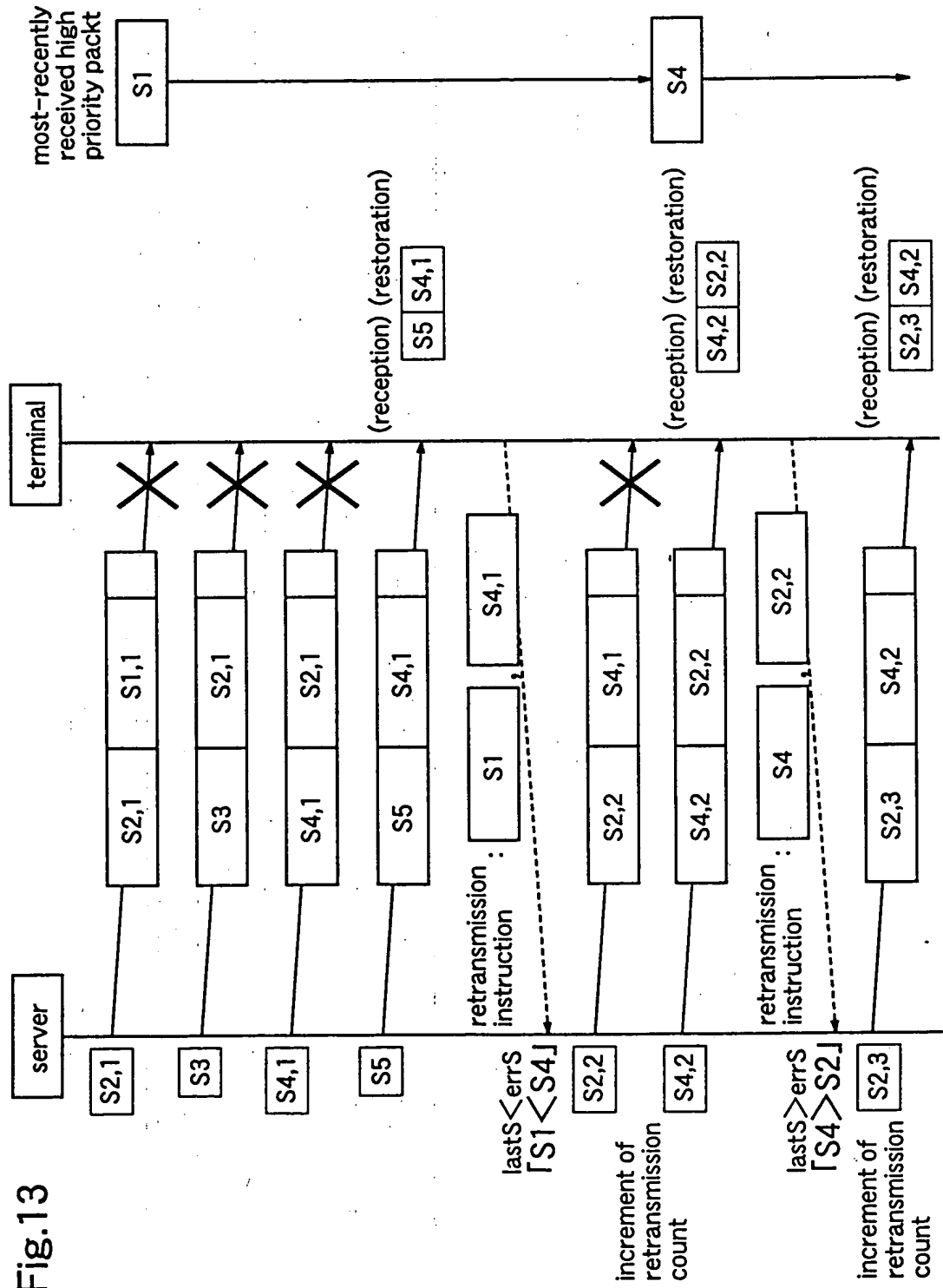


Fig.14

The diagram illustrates a sequence of packet transmissions and retransmissions between a **server** and a **terminal**. The sequence is as follows:

- Initial State:** The server has a buffer containing $S4,1$ and $S2,1$. The terminal has a buffer containing $S5$ and $S4,1$.
- Transmission 1:** The server sends $S4,1$ to the terminal. The terminal receives it and sends back $S5$.
- Retransmission 1:** The server sends $S2,1$ to the terminal. The terminal receives it and sends back $S4,1$.
- Retransmission 2:** The server sends $S5$ to the terminal. The terminal receives it and sends back $S4,1$.
- Retransmission 3:** The server sends $S4,1$ to the terminal. The terminal receives it and sends back $S4,1$.
- Retransmission 4:** The server sends $S2,2$ to the terminal. The terminal receives it and sends back $S4,2$.
- Retransmission 5:** The server sends $S4,2$ to the terminal. The terminal receives it and sends back $S4,2$.
- Retransmission 6:** The server sends $S6$ to the terminal. The terminal receives it and sends back $S4,2$.
- Retransmission 7:** The server sends $S2,3$ to the terminal. The terminal receives it and sends back $S4,3$.
- Retransmission 8:** The server sends $S4,3$ to the terminal. The terminal receives it and sends back $S4,3$.
- Final State:** The server has a buffer containing $S4,1$ and $S2,1$. The terminal has a buffer containing $S5$ and $S4,1$.
- Termination:** The server receives a **most-recently received high priority packet** $S1$.

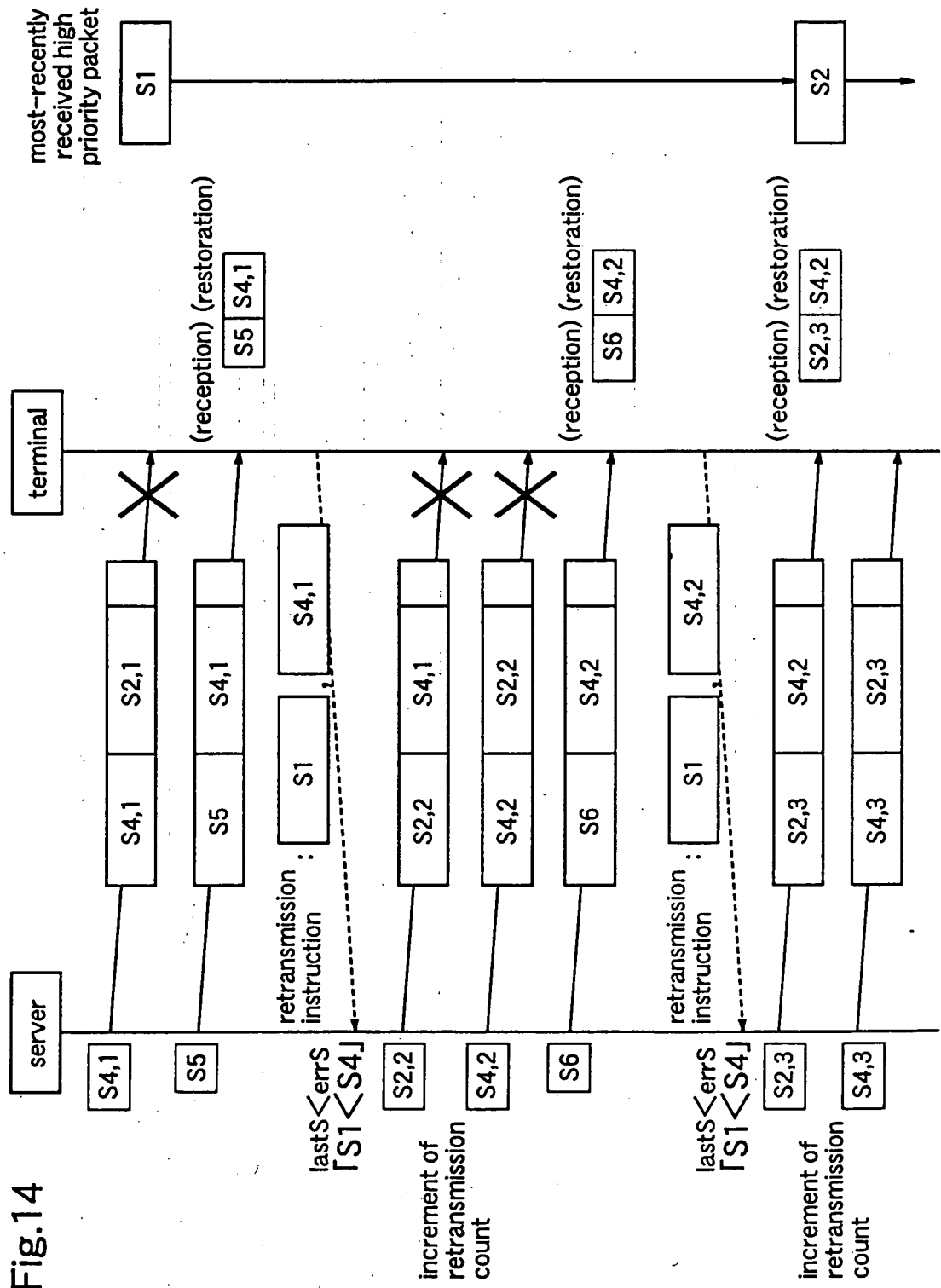


Fig.15

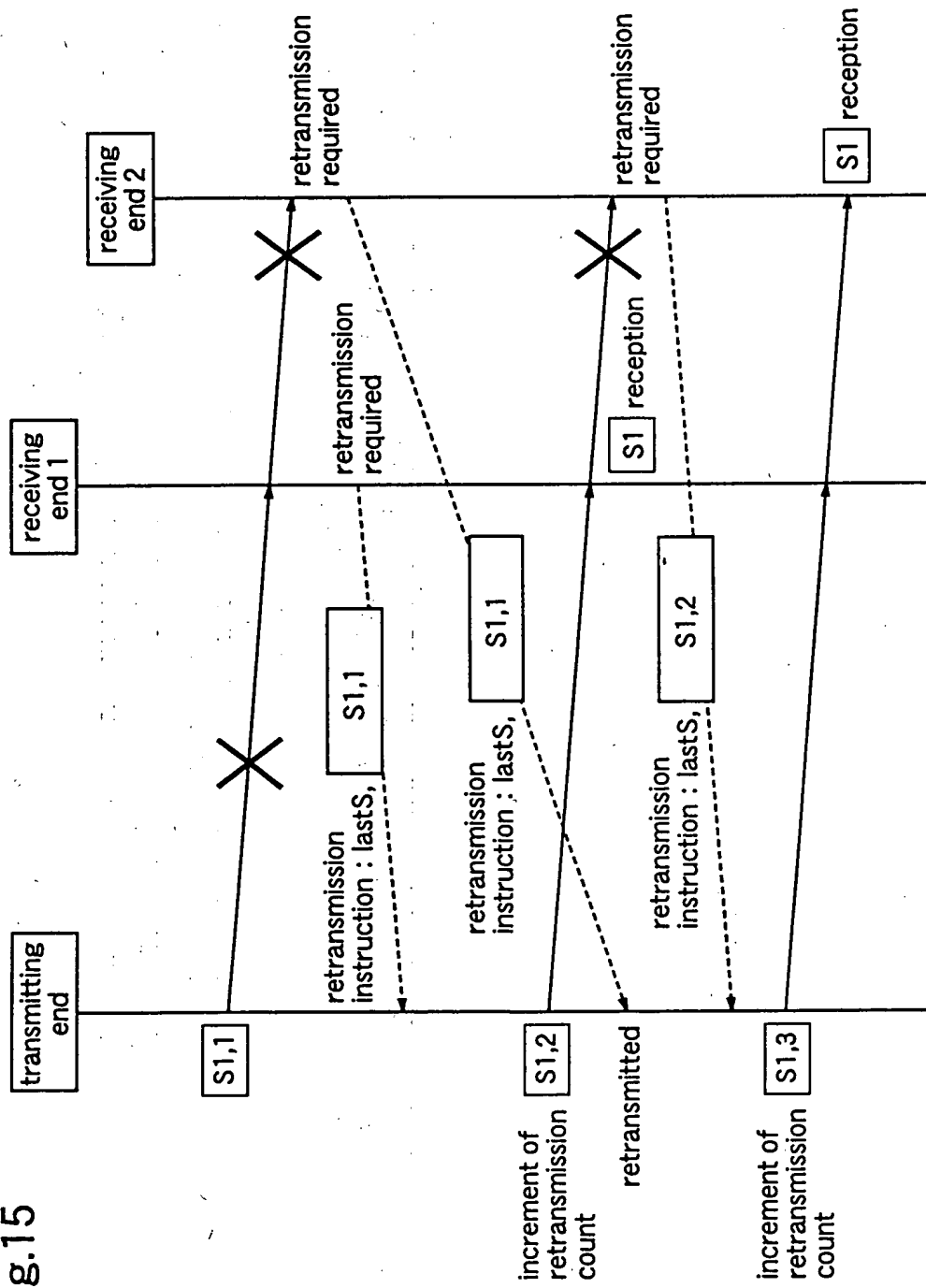


Fig.16 (a)

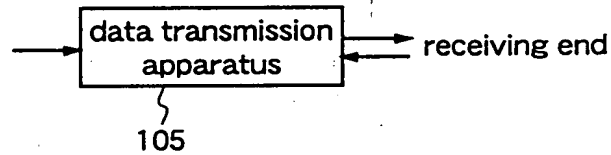


Fig.16 (b)

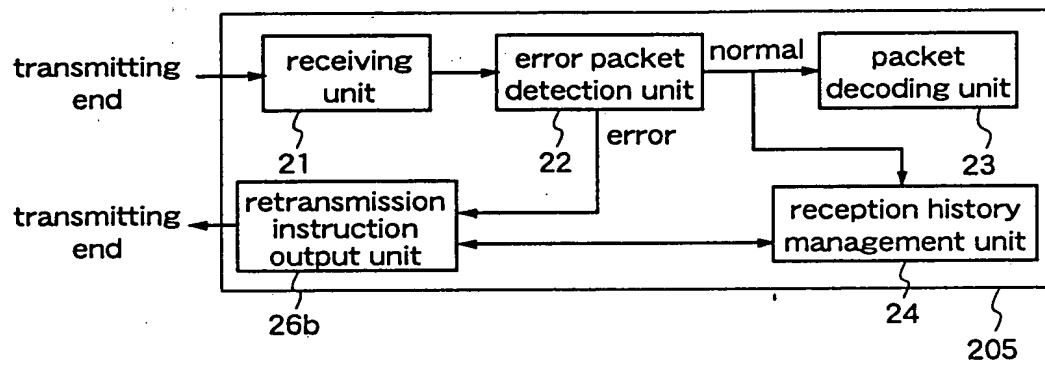


Fig.17

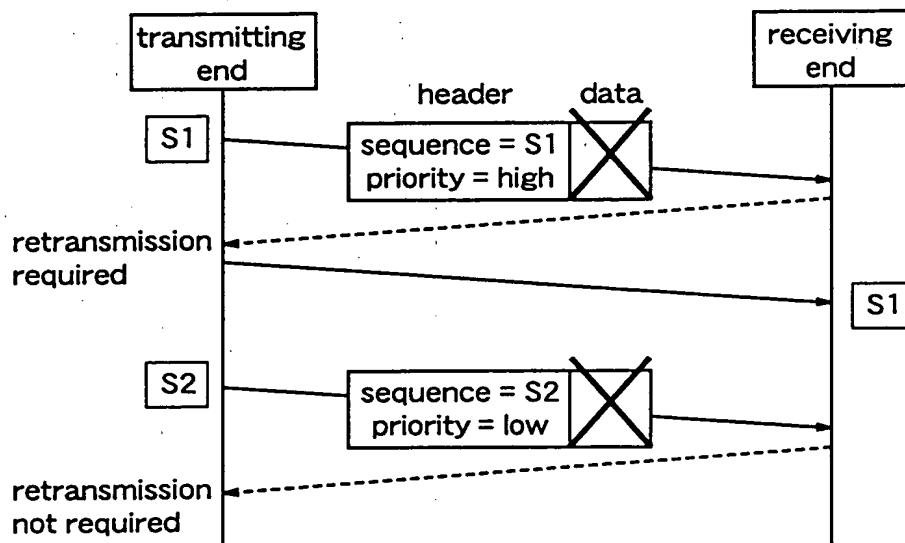


Fig.18

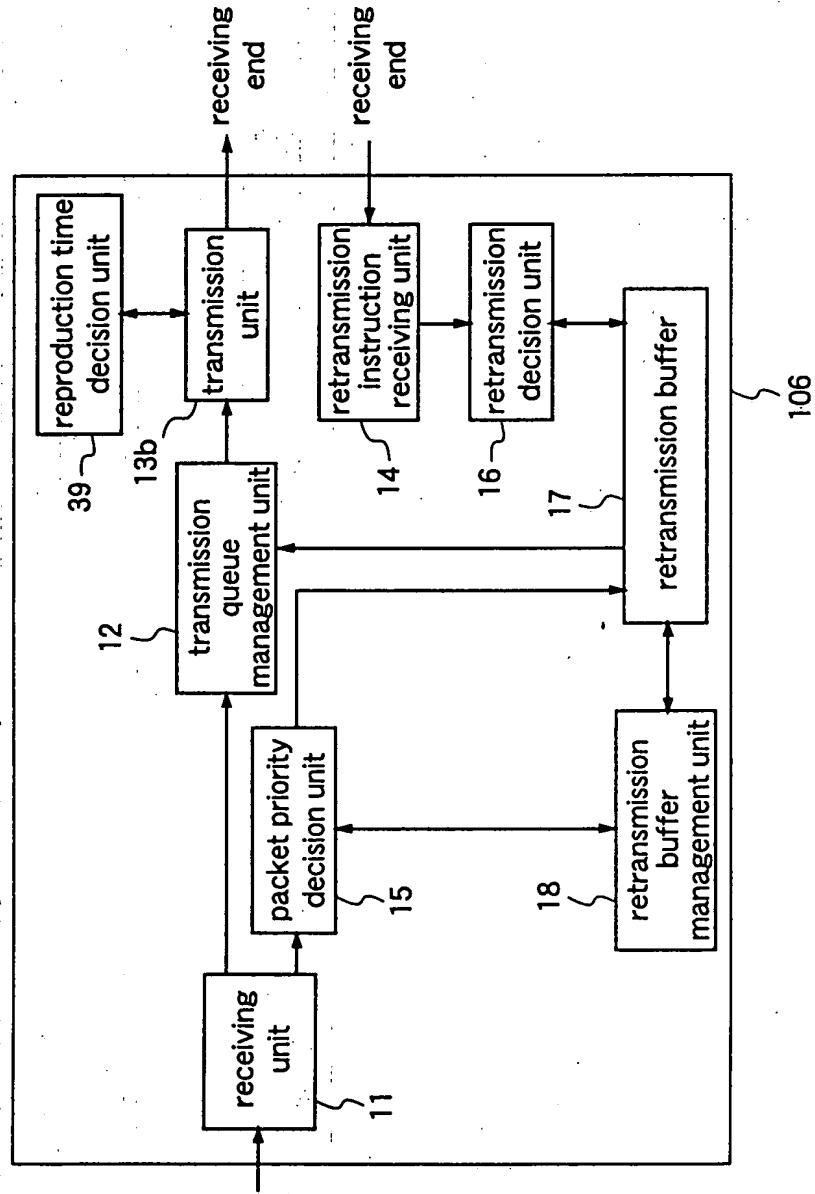


Fig.19

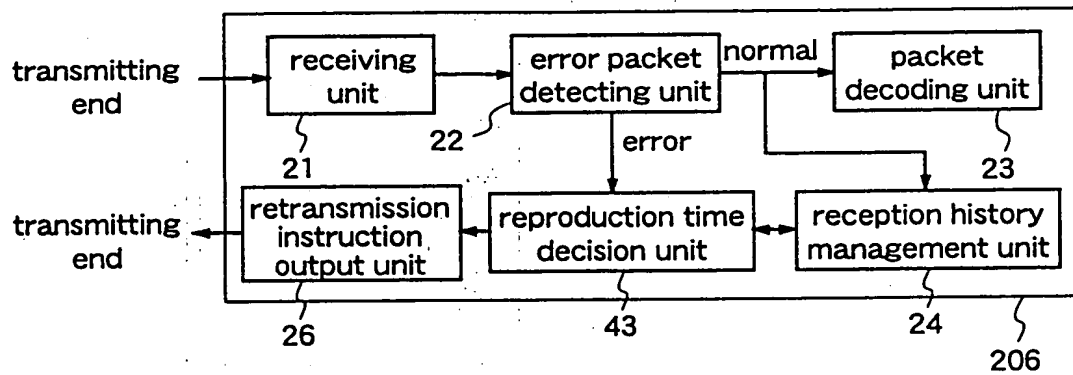


Fig.20

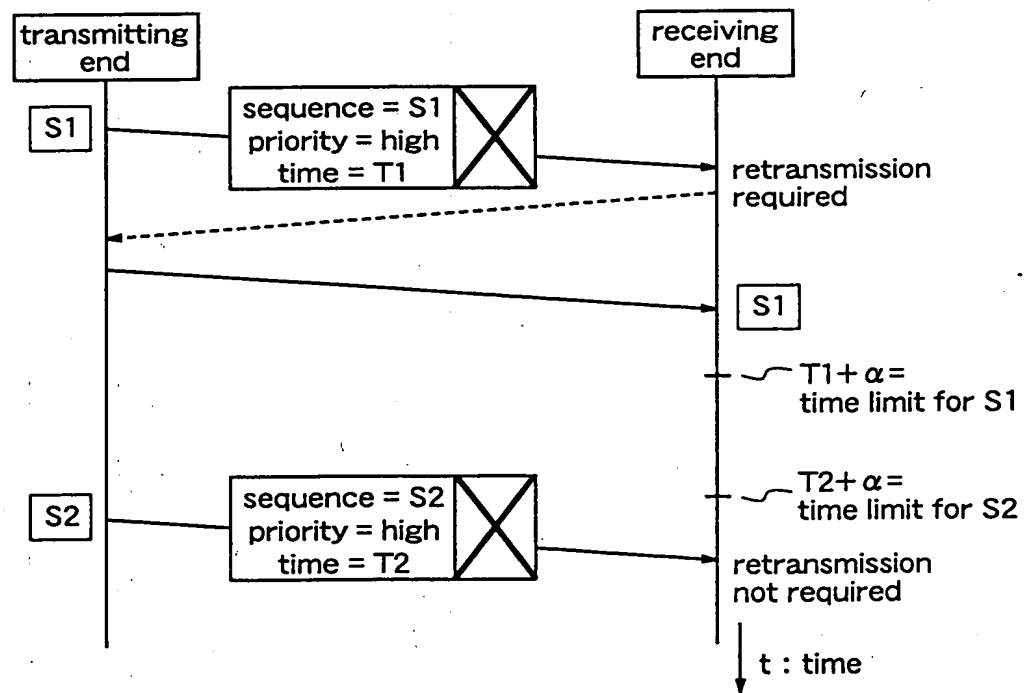


Fig.21

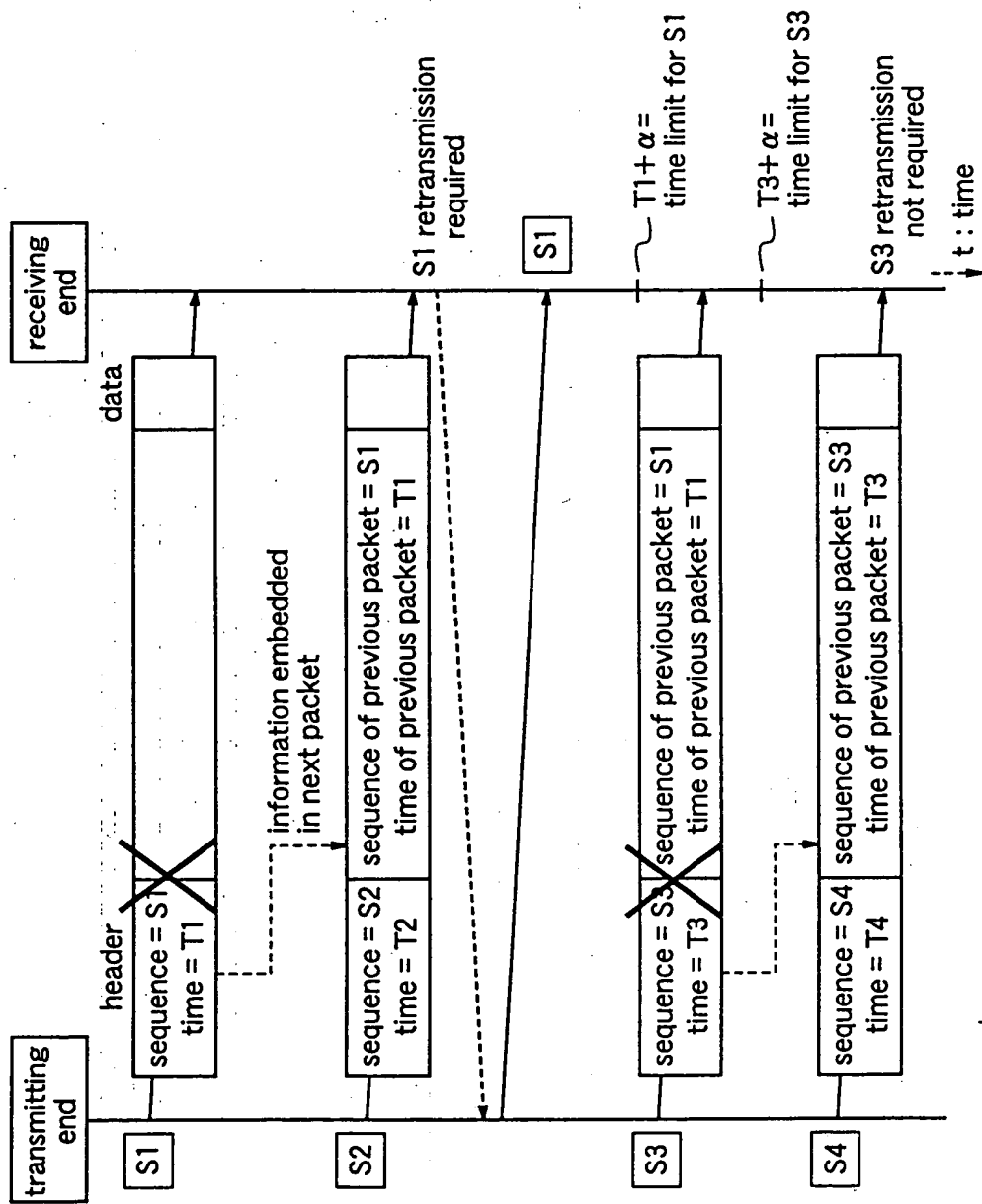


Fig.22

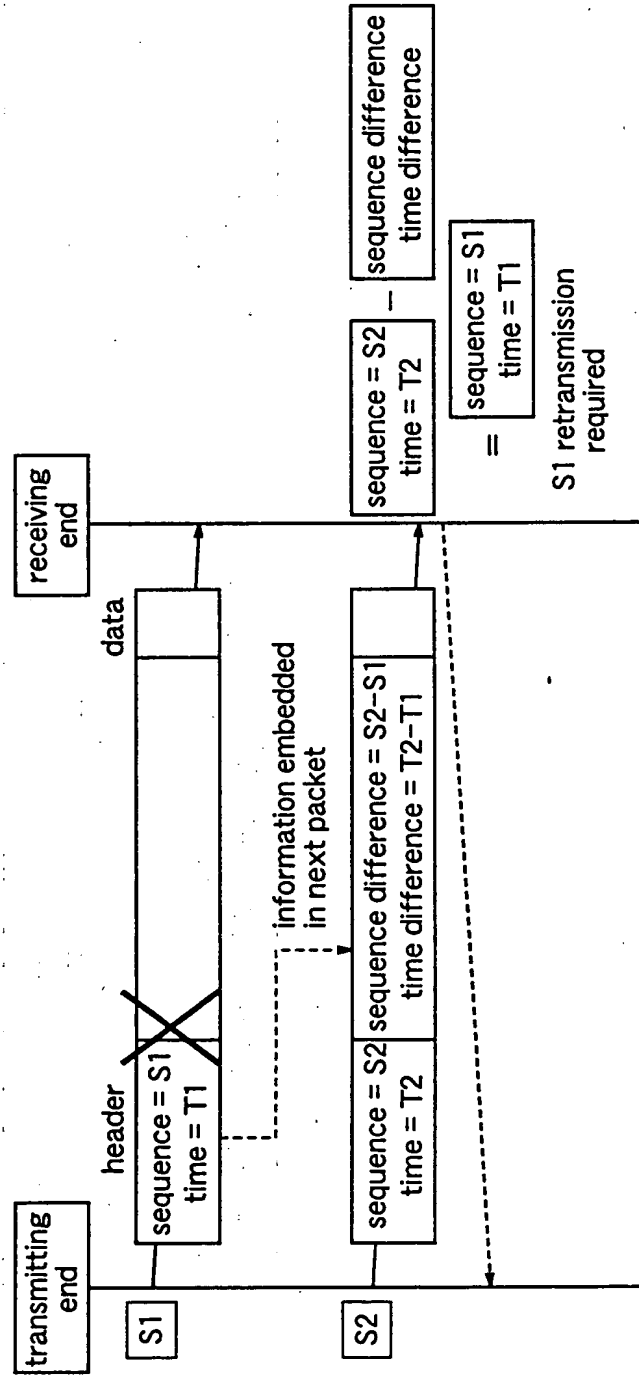


Fig.23

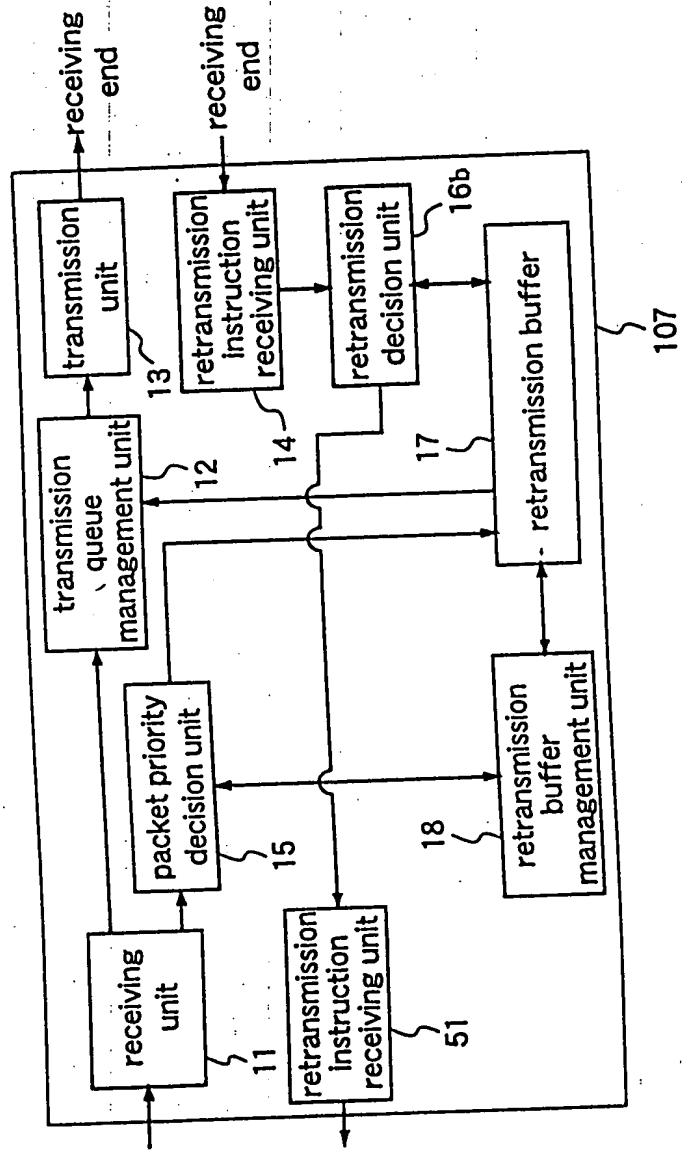


Fig.24

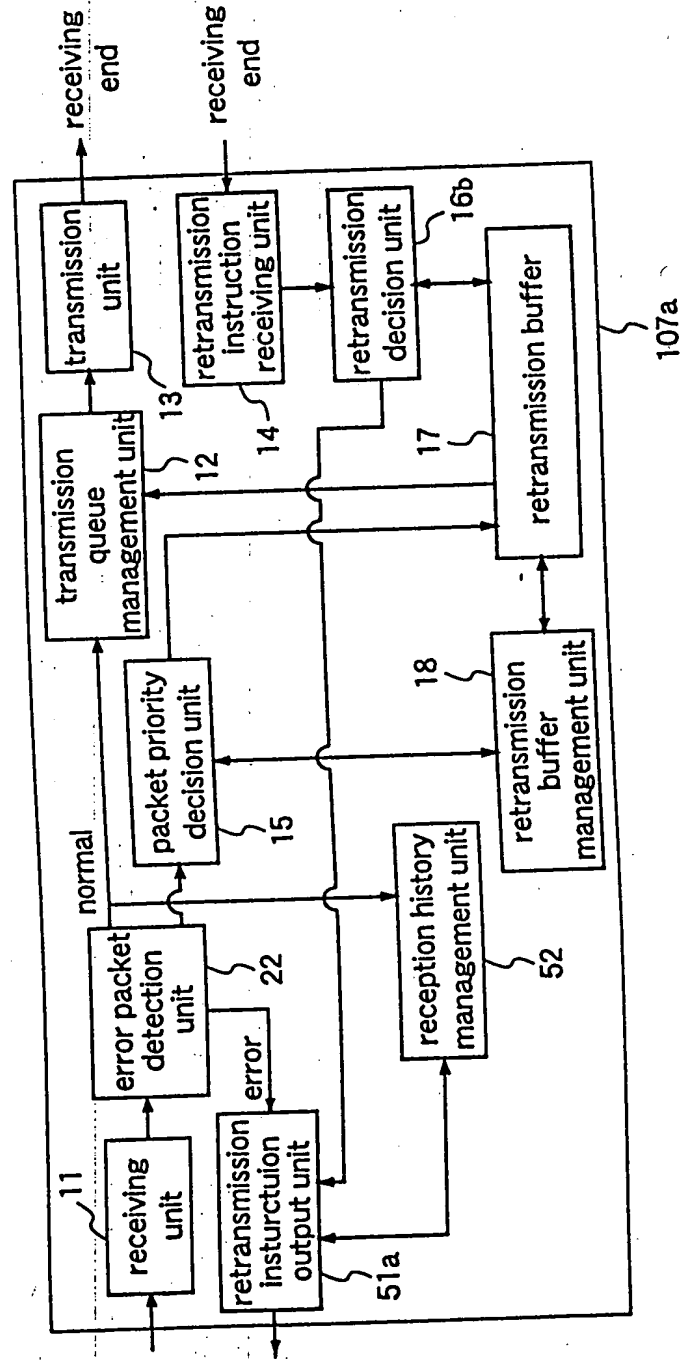


Fig.25

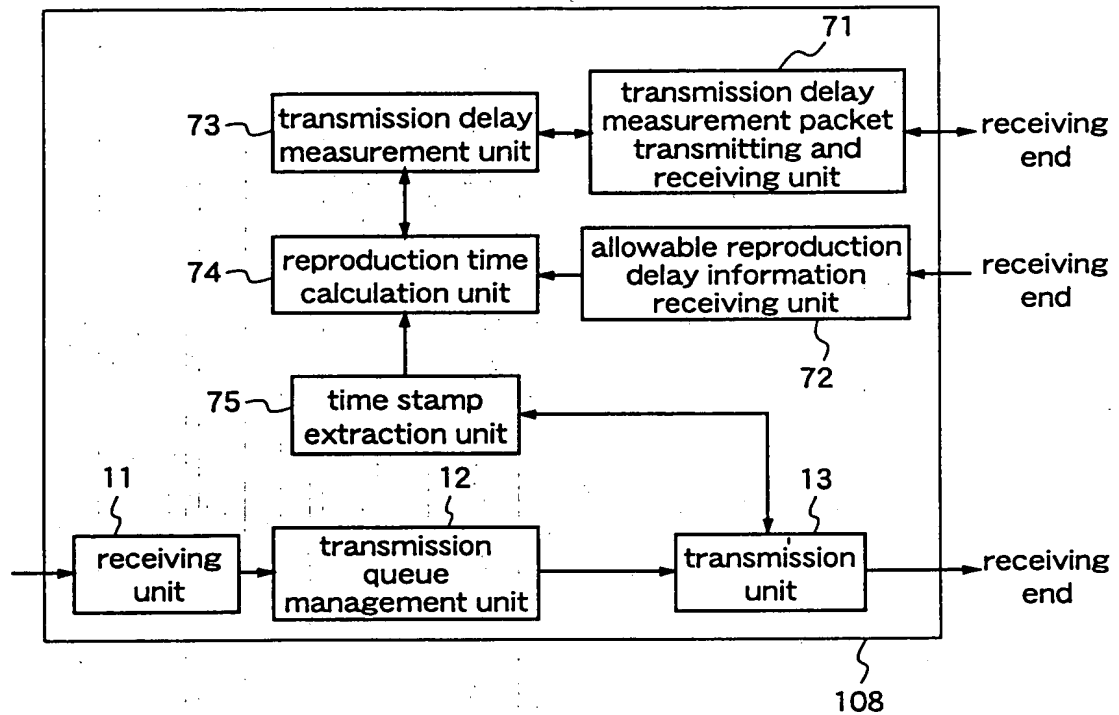


Fig.26

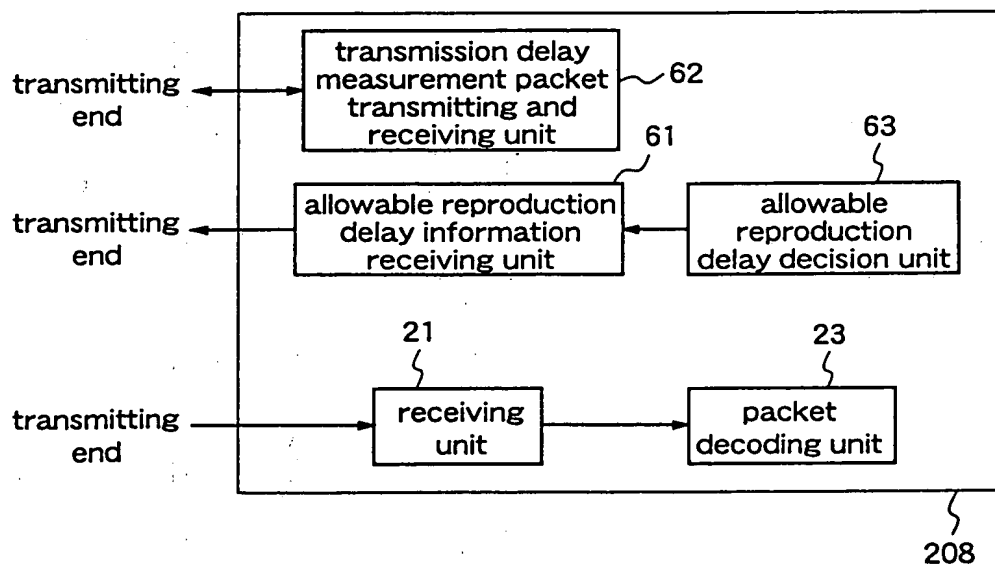
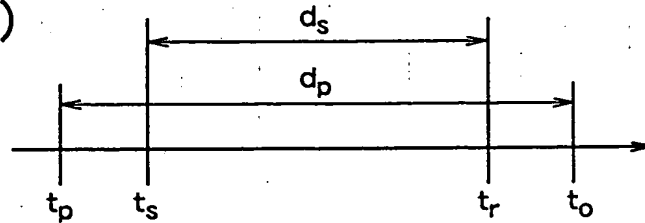
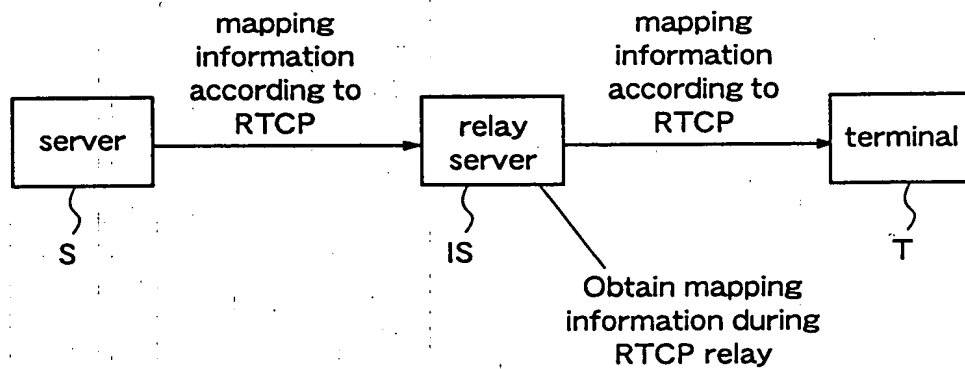


Fig.27 (a)



t_s : server transmission time
 t_r : terminal reception time
 t_o : packet output time
 t_p : time stamp of packet
 (unit and initial value are identical to those of server transmission time and terminal reception time)
 d_p : (allowable) reproduction delay
 d_s : server-to-terminal transmission delay

Fig.27 (b)



Prior Art

Fig.28 (a)

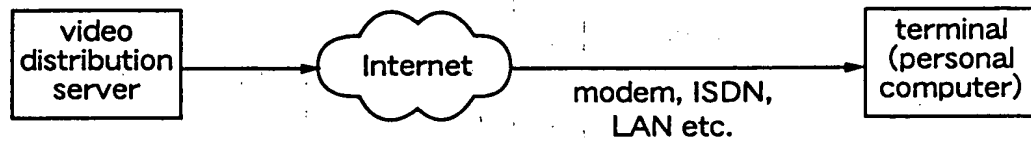
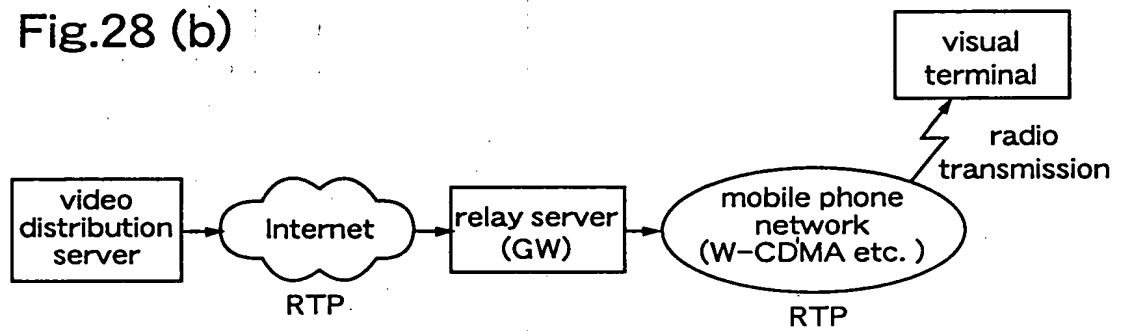


Fig.28 (b)



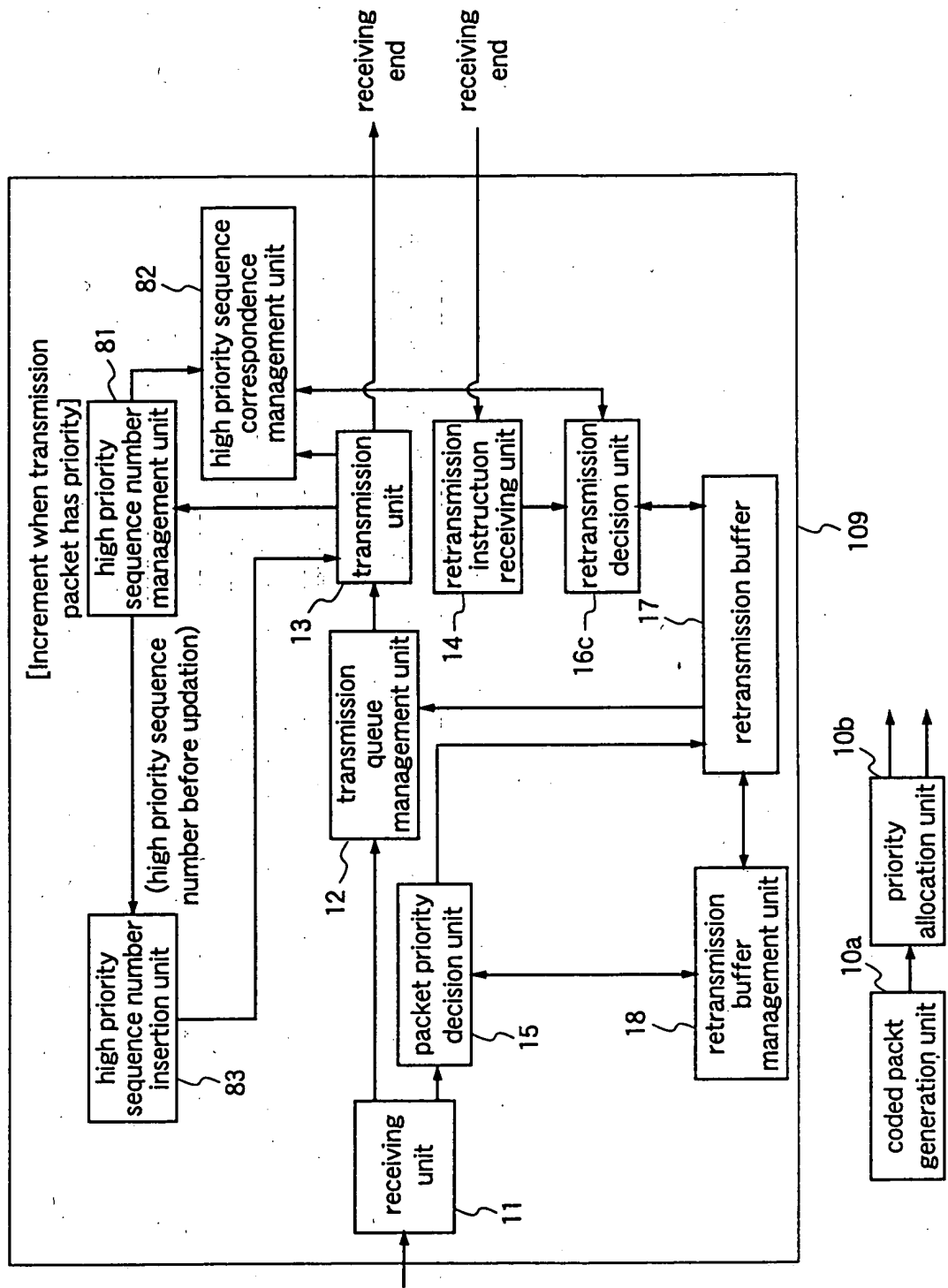


Fig.29 (a)

Fig.29 (b)

Fig.30

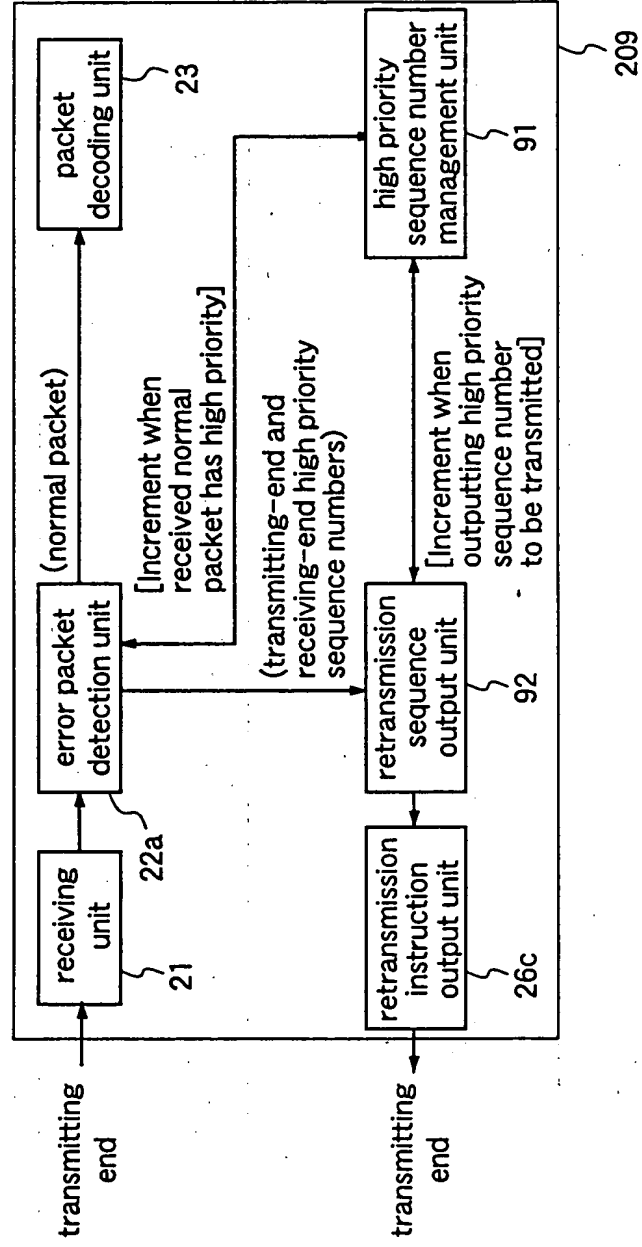


Fig.31

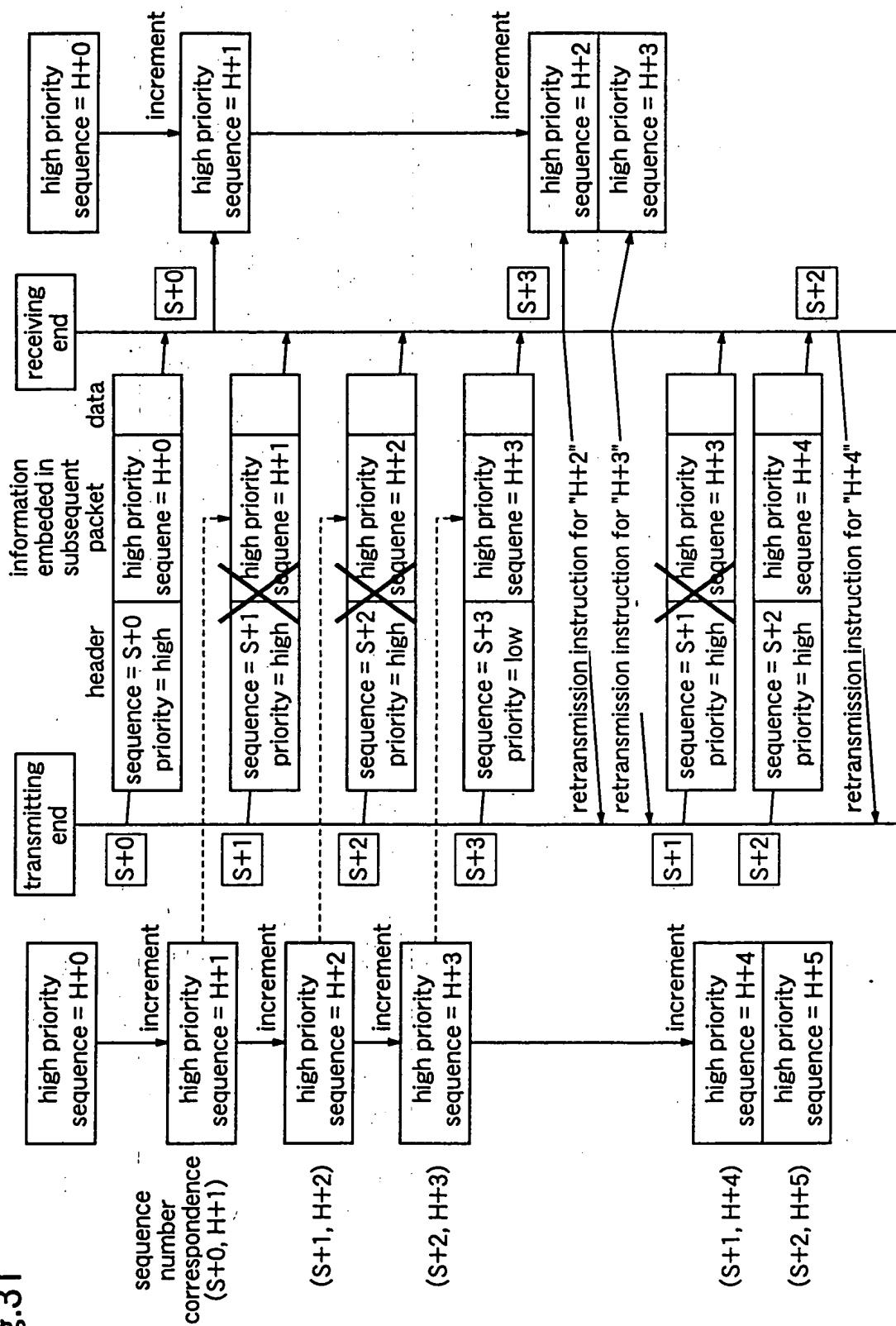


Fig.32

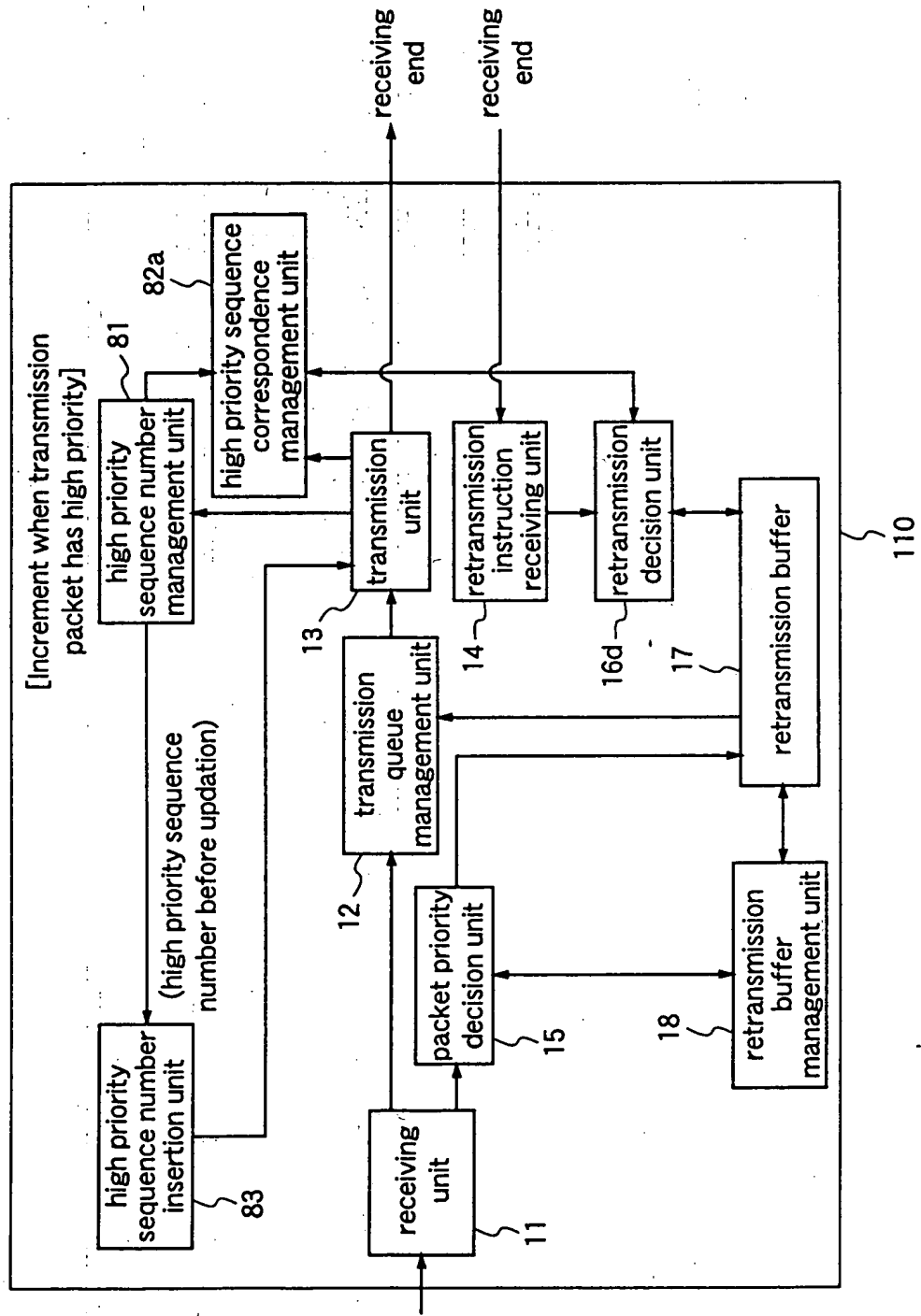


Fig.33

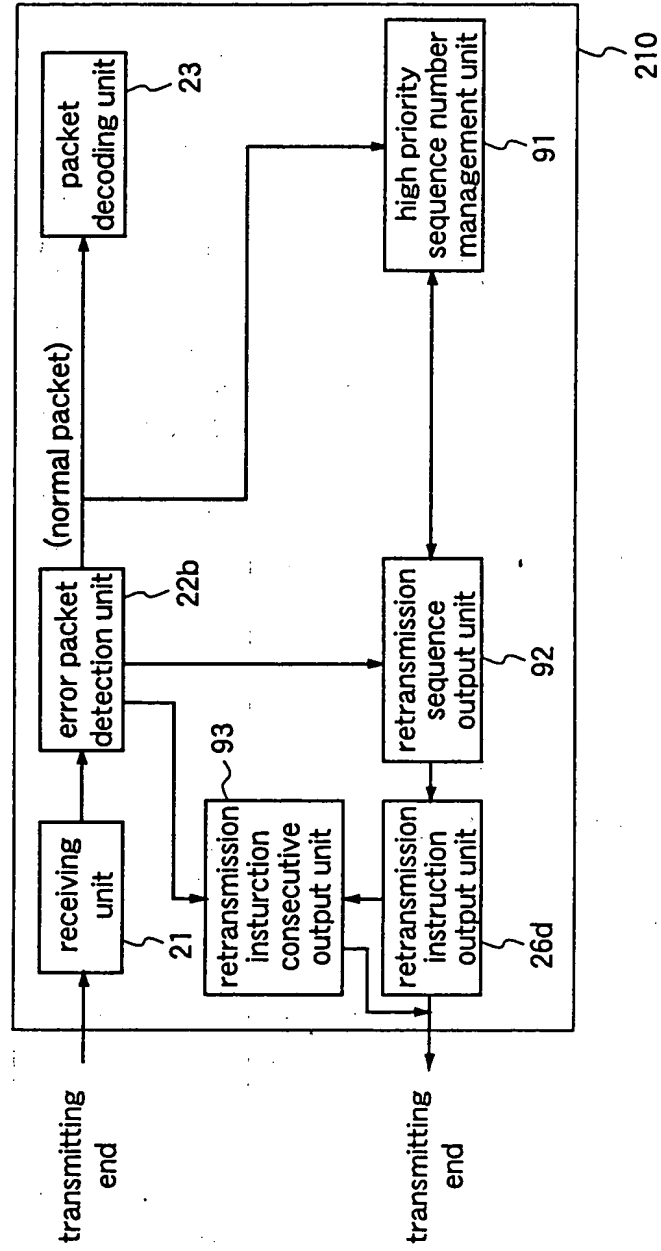


Fig.34 (a)

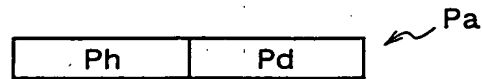


Fig.34 (b)

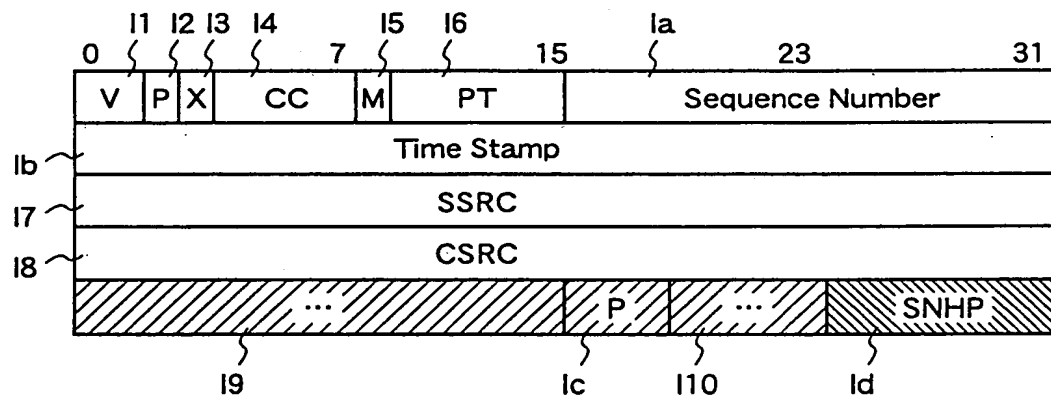


Fig.34 (c)

| Field name | Number of bits | Description |
|---|----------------|---------------------------|
| V:Version | 2 | Please refer to RFC1889 |
| P:Padding | 1 | Please refer to RFC1889 |
| X:Extension | 1 | Please refer to RFC1889 |
| CC:CSRC Count | 4 | Please refer to RFC1889 |
| M:Marker | 1 | Please refer to RFC1889 |
| PT:Payload Type | 7 | MPEG1, MPEG2 in Fig.35(b) |
| Sequence Number | 16 | Please refer to RFC1889 |
| Time Stamp | 32 | Please refer to RFC1889 |
| SSRC | 32 | Please refer to RFC1889 |
| CSRC | 32*CC | Please refer to RFC1889 |
| P:Padding | 3 | Picture Type(I or P or B) |
| SNHP:Sequence Number of RTP packet with High Priority | 6 | |